

NEW PROJECT REQUEST FORM

ES&H PROJECTS

Page 1

For Data Reference Use Only

a. Facility Code

b. ADS Number

Activity Data Sheet (ADS) Identification Section

3. ADS Title: Removal & Replacement of HVAC System in Building 940

3a. ADS Area: (Select 1 only) (X) ES&H () Equally ES&H and Infrastructure or Program

4. Data Sheet Status Code: (Select 1 only) (X) Open () Closed () Hold () Discontinued () Void

13. Contractor Division C-A Department

17. DOE Manager P. Kelley

14. Contr. Department C-A Department

18. DOE Phone 631-344-5784

15. Contractor Manager A. Piper

Champion Email piper@bnl.gov

16. Contractor Phone 631-344-7934

Champion Pager # 4266

ES&H ADS Functional Areas

20. ES&H Functional Area Breakdown (Attach additional pages if necessary)

See Web Site: <http://epweb.pe.bnl.gov/infrastructure/projects/projects.htm> for listing

Functional Area	Sub-Area	% Total Cost
IH	IH	100

Percentage of costs attributable to:

21. Training: _____

22. Maintenance

ADS Type Section

23. ADS Type: (Select 1 only) (X) Core () Compliance () Improvement

24. Drivers (Attach additional pages as necessary)

See Web Site: <http://epweb.pe.bnl.gov/infrastructure/projects/projects.htm> for listing

Driver Type	Driver Code	Primary? (Just one)	Driver Title

25. Compliance Comments

(Attach additional pages as necessary)

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26. ADS Description/Objective (Attach additional pages as necessary)

Provide a description of the activity. Include sufficient detail to allow a reader not previously knowledgeable of the activity to understand the activity's scope and what it is intended to accomplish.

Removal and Replacement of existing HVAC system in building 940 to mitigate occupant concerns of poor indoor air quality and improve energy efficiency of the buildings HVAC system.

The original use of building 940 was to house a central computer system for data tabulation in support of the C-A Departments experimental programs. Presently this building is utilized as office space to house technical support staff for the C-A operations support group; The existing HVAC system utilizes the raised (computer) floor underlying space as the return air flow path for heating/cooling. Occupants of this building have expressed concerns of poor air quality from these [return] air paths. Dust, debris and rodent droppings have been evident within these return air paths. Additionally, due to reduced heat loading from the buildings original design purpose, the present HVAC system is inefficient with regards to energy consumption.

27. ADS Appraisal/Justification (Attach additional pages as necessary)

Describe the risks/impact of not implementing or not continuing this activity and opportunities related to this activity. Discuss risks/benefits, if applicable, for Public Safety & Health, Site Personnel Safety & Health, Compliance, Mission Impact, Cost-effective Risk Management, and Environmental Impact. Describe any other significant impacts or considerations (e.g., cost avoidances, payback periods, etc.)

Benefit

- Improved air quality/comfort for building occupants
- Increased energy efficiency of building HVAC system
- Reduced maintenance costs of HVAC system (routine maintenance, cleaning of return air paths)
- Improved response to employees concerns regarding ES&H issues in their workplace.

Risk/Vulnerability

- Inefficiency of existing HVAC system
- High maintenance costs associated with maintaining the existing HVAC system
- Potential for significant indoor air quality issues (i.e.; hanta virus, etc.)
- Perception of C-A Department employees that their ES&H concerns go "unresolved"

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Mitigating Actions

- Ongoing maintenance/cleaning of existing HVAC system

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37. Resource Structure Code (RSC): (Check One)

___	LIN	Line Item - Infrastructure	___	GPP/LL	GPP - Landlord (Site GPP Fund)
<u>X</u>	LIE	Line Item - ES&H	___	GPP/KA	GPP - High Energy Physics Specific
___	AIP/KA	AIP - High Energy Physics Specific	___	GPP/KB	GPP - Nuclear Physics Specific
___	AIP/KB	AIP - Nuclear Physics Specific	___	GPP/KC	GPP - Basic Energy Sciences Specific
___	AIP/KC	AIP - BES Specific (Former ARAM)	___	GPP/KP	GPP - OBER Specific
___	OPER	Operating Funds - Special Maintenance or ES&H Program Support			
___	OPER/XX Department / Division Operating Funds (xx - 2 Digit Dept / Div. Code)				

(Note: If the ADS is funded from an allocable cost pool, provide B&R makeup.)

42. Activity Cost Estimate (x \$1,000)

43. FTE Requirements

For departmental funded projects indicate cost expectations by FY. For all other projects place project total cost in the unfunded field.

Fiscal Year	Estimated Implementation Costs in \$1,000				% ESH	FTEs (to two decimals)	
	Operating Expense (OE)	Capital Equipment (CE)	General Plant Project (GPP)	Line Item Project (LIP)		Federal	Contractor
Prior Year (PY) <u>1999</u>							
Current Year (CY) <u>2000</u>							
Budget Year (BY) <u>2001</u>							
BY + 1 <u>2002</u>							
BY + 2 <u>2003</u>							
BY + 3 <u>2004</u>				105	100		
BY + 4 <u>2005</u>							
Unfunded* <u>2006</u>							

* For Compliance activities with costs beyond BY + 4, enter total estimated cost to complete in the Unfunded row.

45. Cost Estimate Notes: (Provide information on estimate, source and date of estimate, if from an ILR give number, and whether or not engineering, project management, contingency and burden is included.)

Cost estimate is based on ILR/Work Order # EPP0000540. Estimate received 1/29/03 in the amount of \$105,537.00. This includes burden & 15% contingency.